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# **SD MPEG-4 TERRESTRIAL RECEIVER**

## **2501**

### **USER MANUAL**



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## IMPORTANT SAFETY INSTRUCTIONS

### WARNING

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PRESENT BLADE EXPOSURE.
- TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT FULLY INSERTED.

|                                                                                                                                                                                                                                                                                   |                                                                                                                                                                |                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                  | <b>CAUTION</b><br>RISK OF ELECTRIC SHOCK<br>DO NOT OPEN                                                                                                        |                                                                                                                              |
| This lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "Dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. | Warning: To reduce the risk of electric shock, do not remove cover (or back) no user-Serviceable parts inside. Refer servicing to qualified service personnel. | The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. |

This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on apparatus.

|                                                                                     |                                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  | The symbol for Class II (Double Insulation).                                                          |
|  | This symbol means that the unit complies with European safety and electrical interference directives. |

**1. Read Instructions-**All the safety and operating instructions should be read before the appliance is operated.

**2. Retain Instructions-**The safety and operating instructions should be retained for future

reference.

**3. Heed Warnings**-All warnings on the appliance and in the operating instructions should be adhered to.

**4. Follow Instructions**-All operating and use instructions should be followed.

**5. Water and Moisture**-The appliance should not be used near water.

**6. Ventilation**-The appliance should be well situated that its location or position does not interfere with its proper ventilation.

**7. Heat**-The appliance should be situated away from heat sources such as radiators, heat registers, stoves that produce heat.

**8. Power Sources**-The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.



**9. Grounding or Polarization**-Precautions should be taken.

**10. Power -Cord Protection** -Power supply cord should be routed so they are not likely to be walked on or pinched by item placed upon or against them, pay plugs ,and the point where they exit from the appliance.

**11. Cleaning** -The appliance should be cleaned only by ways recommended by the manufacturer.

**12. Power Plug**-Where the MAINS plug or an appliance coupler is used ad the disconnect device, the disconnect device shall remain readily operable.

**13. Power Lines** -An outdoor antenna should be located away from power lines.

**14. Outdoor Antenna Grounding**-If an outside is connected to the receiver is sure the antenna system is grounded so as to provide protection against voltage surges and to build up static charges.

**15. Non-use Periods** -The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

**16. Object and Liquid Entry** -Care should be taken so that objects do not fall and liquids are not spilled, into the enclosure through openings. The apparatus shall not be exposing to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

**17. Conditions Requiring Service** -The Appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been into the appliance.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been expose rain.
- The appliance does not appear to operate normally or exhibit a marked change in performance.

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## Precautions

Please read these precautions before operating this unit.

### 1. Power cord protection

To avoid any malfunctions of the unit, and to protect against electric shock, fire or personal injury, please observe the following.

- Hold the plug firmly when connecting or disconnecting the AC power cord.
- Keep the AC power cord away from heating appliances.
- Never put any heavy object on the AC power cord.
- Do not attempt to repair the AC power cord in any way.
- Never make or change connections with the power switched on.

### 2. Placement

Avoid placing the unit in areas of:

- Direct sunlight or heating radiators
- High temperature (over 35°C) or high humidity (over 90%)
- Dust as the internal parts may be seriously damaged.

### 3. Non-use periods

When the unit is not being used, turn it off. When left unused for a long period of time, the unit should be unplugged from the power source.

### 4. No fingers or other objects inside

- Touching internal parts of this unit is dangerous, and may cause serious damage to the unit. Do not attempt to disassemble the unit.
- Do not put any foreign object in this unit.

### 5. Keep away from water

- Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.

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## IDENTIFY YOUR SET TOP BOX



**1. ANT IN**

**2. LOOP OUT**

**3. IR**

**4. USB**

**5. DC 5V**

## Remote control :

- 1.Mute: Turn off / on voice.
- 2.Number Key: <0-9>
3. Menu: Enter main menu
4. VOL +/- : Volume adjustment
5. EPG: Electronic Program Guide
6. AUDIO: Audio mode operation
7. Info: Display program information in full-screen playing  
Or show operation guide in current menu
8. RECALL: Change back to previous channel
9. RECORD: TV Program recording
10. MEDIA: Play media
- 11.STOP: Stop program playing
12. PLAY/PAUSE: Pause/Play program playing or movie playing
13. POWER: Turn on / off, Standby
14. EXIT: Cancel current operation and return to previous menu
15. OK: Confirm selection on operateing menu
16. CH+/-: Channel up/down
17. TTX : DVB teletext
18. SUBTITLE: Subtitle
19. FAV: Display favourite programs
20. TV/RADIO: Switch between TV and Radio mode
- 21.PROG: Recorder/wake up timer editing
- 22.PAGE UP: To the prvious page
23. PAGE DOWN: To the next page
24. PREV: Play previous USB media
- 25.NEXT: Play next USB media
- 26.FF and FR: Screen image zoom in / out when in zoom mode  
Speed up / Slow down when USB media playing



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## Connecting Your Set Top Box

### a) Antenna to set top box connection

Connect the aerial to the unit through ANT IN jack.

### b) Set Top Box to TV Connection

Connect the unit to TV with scart cable through scart socket.

### c) Turn on your TV and the unit, then select AV IN.

## Main Menu

### 1. Installation

When user connects Set Top Box (**STB**) for the first time, no channels are stored in the unit, User should search channels first as below:

1.1. Press <OK> to enter Installation page, then press <CH+>/<CH-> to select the item you want to set up, <V->/<V+> and <OK> to select OSD language, Country, Time Zone where user locates in. Also turn on/off Summer Time, LCN (Logic channel number list an exclusive number for every channel in ON mode), ANT Power (Supply power for antenna connected). Press <OK> to save the settings. See figure 1



Figure 1

1.2. Press red button <EPG> to confirm the setting, system will start to search channels automatically. Green button <AUDIO> for search channels when user know the frequency point. See figure 2 & 3:



Figure 2

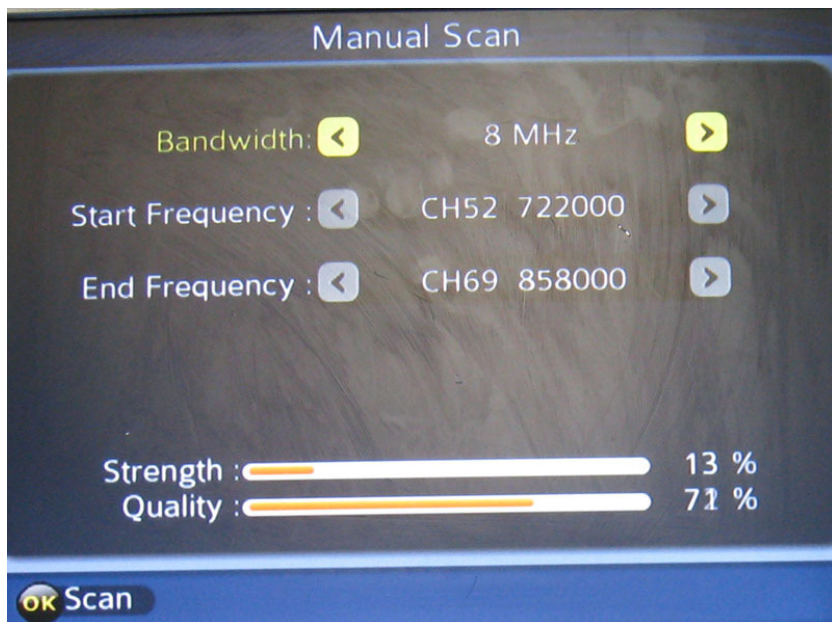


Figure 3

<NOTE> Before searching, Make sure the antenna is connected to the STB.

Once the channel scan is finished and all the channels are stored into the database, you can start to watch the digital TV channels, some typical operations are given in this chapter. Following is Main Menu for operating functions.

- 1.Press <MENU> to enter Main Menu.
- 2.Press <LEFT>/<RIGHT > to select item you want to operate.

---

## 2. Channel Manager

2.1 Press <OK> to enter “Channel Manager” page through “ Main Menu - Channel Manager– OK”.

2.2. Press <CH+>/<CH-> to select a TV channel, press <EPG><AUDIO><SUBTITLE> <TTX> to edit the channel, Four functions are available for editing channels, Skip / Delete/Fav/ Lock. See figure 4:



Figure 4

Skip: Press red button <EPG> to skip selected channel.

Delete: Press green button <AUDIO> to delete selected channel.

Fav: Press yellow button <SUBTITLE> to edit a selected channel as a favorite channel, (Note: After setting favorite channels & exit “Channel Manager” page, user may press hot key “FAV” on remote control to find them directly.)

Lock: Press blue button <TTX> to lock a selected channel, see figure 3.If you want to remove the lock function, pls re-press the blue button <TTX>.

NOTE: Press < TV/RADIO> button to operate same for radio channel edit.

After you have finished press, exit the “Channel Manager” page, System will automatically save changes.

## 3. Timer Manager

Press <OK> to enter “Timer Manager” page through “ Main Menu - Timer Manager– OK”, then see Figure 5:

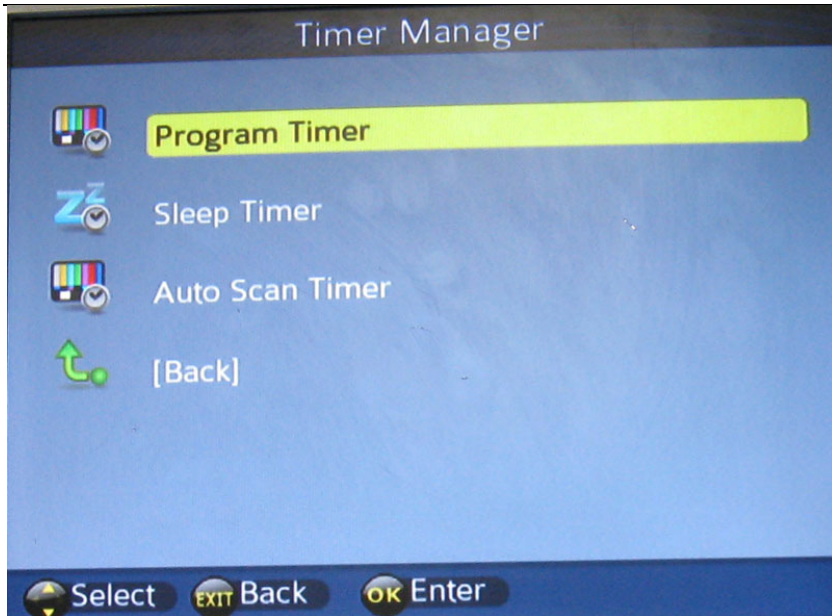


Figure 5

### 3.1 Program Timer

Press <OK> to enter Program Timer page, then press green button <AUDIO> to set the TV/Radio channel, Date, Start Time, Duration, Mode, Function which you'd like to record. Press <OK> to confirm the setting. See Figure 6:

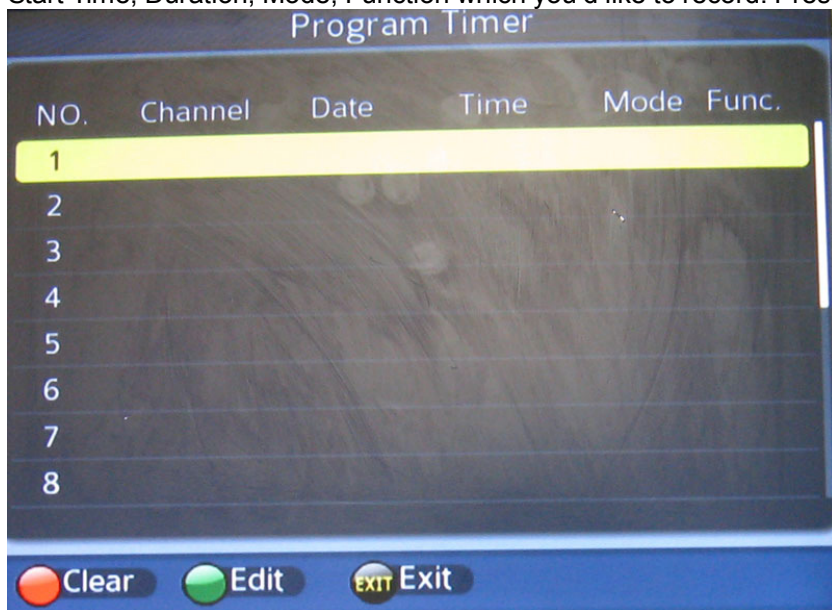


Figure 6

### 3.2 Sleep Timer

Press <OK> to enter Sleep Timer page. Press <CH+>/<CH-> to select the item you wish to set, and press <V+>/<V-> to set the time for sleeping. While on mode for "Auto Power Down", it means the unit enter standby mode after 3H automatically(default set is ON for this function, please press red button <POWER> to restart playing). See Figure 7:

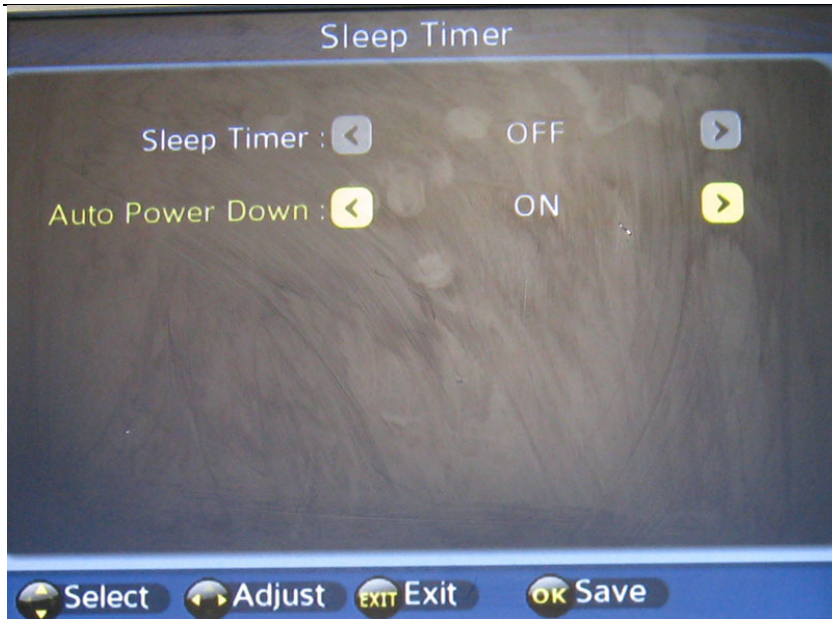
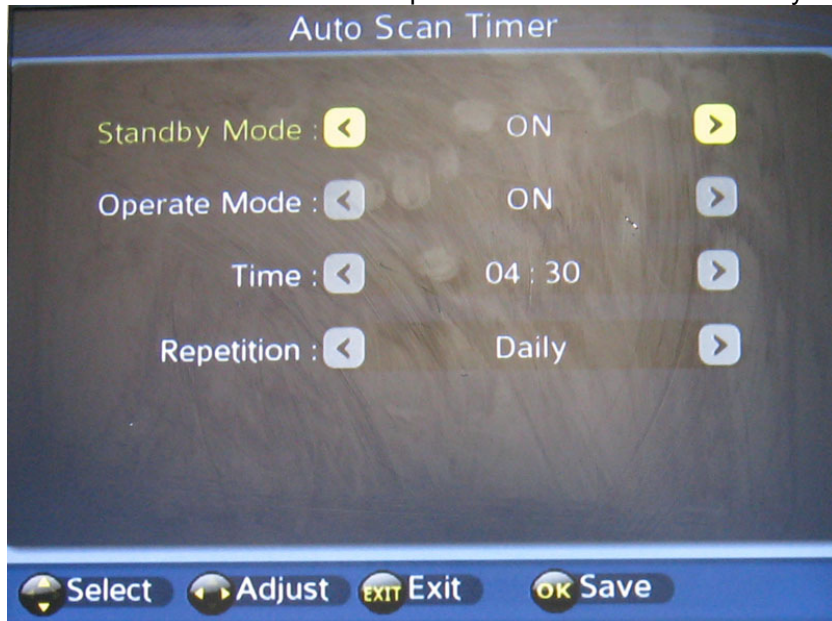


Figure 7

### 3.3 Auto Scan Timer

Press <OK> to enter Auto Scan Timer page, Press <CH+>/<CH-> to select the item you wish to set, and press <V+>/<V-> to set ON/OFF mode for Standby & Operate Mode. When both are in on mode, press number buttons to set the time for auto scan. Still press <V+>/<V-> to choose daily or weekly scan. See Figure 8:



See Figure 8

## 4. Multimedia

Insert USB device into USB slot, then press <OK> to enter “Multimedia” page through “ Main Menu – Multimedia – OK”, then see Figure 9:



Figure 9

4.1 Multimedia supported files are illustrated below. NTFS, FAT32 and FAT16 file system can be supported at the moment.

- 1) Video size: up to SD (standard definition)
- 2) Photo size: up to 256M pixels (16376\*16376)
- 3) Audio channels: 2 channels

| Video Decoder                                               | Audio Decoder                                    | Image Decoder | Memory Size          | NOR |
|-------------------------------------------------------------|--------------------------------------------------|---------------|----------------------|-----|
| MPEG-1<br>MPEG-2<br>MPEG4 SP<br>MPEG4 ASP<br>H.263<br>H.264 | MP3<br>AMR<br>-WMA<br>-AAC-LC<br>-AAC+<br>e-AAC+ | JPEG<br>BMP   | 8M<br>DDR1<br>bitx16 | 4MB |

| Formats   | Extension                  |
|-----------|----------------------------|
| MPEG1     | dat, avi                   |
| MPEG2     | mpg, vob, ts, tp, trp, avi |
| MPEG4 SP  | 3gp, mp4, mov              |
| MPEG4 ASP | divx, xvid, mp4, mov, avi  |
| H.263     | 3gp, mov                   |
| H.264     | mkv, mp4, mov, ts, avi     |

4.2 Press <CH+>/<CH-> to select the item(Music, Photo, Movie, PVR) you wish to play, <OK> to enter playing mode.

NOTE: In PVR mode, if there isn't any recorded files on USB drive, you can record live program first as per below steps:

(a) Insert USB drive into USB socket, after seeing a hint message on the screen "Insert USB device", select a channel you want to record, then press <REC> on remote control. See figure 10:



Figure 10

(c) To stop recording, press <STOP> button, a dialogue "Do you want to stop record now?" display, select "OK" to stop recording and select "Exit" to continue. A icon always display on left-up side of the screen during recording. See Figure 11:

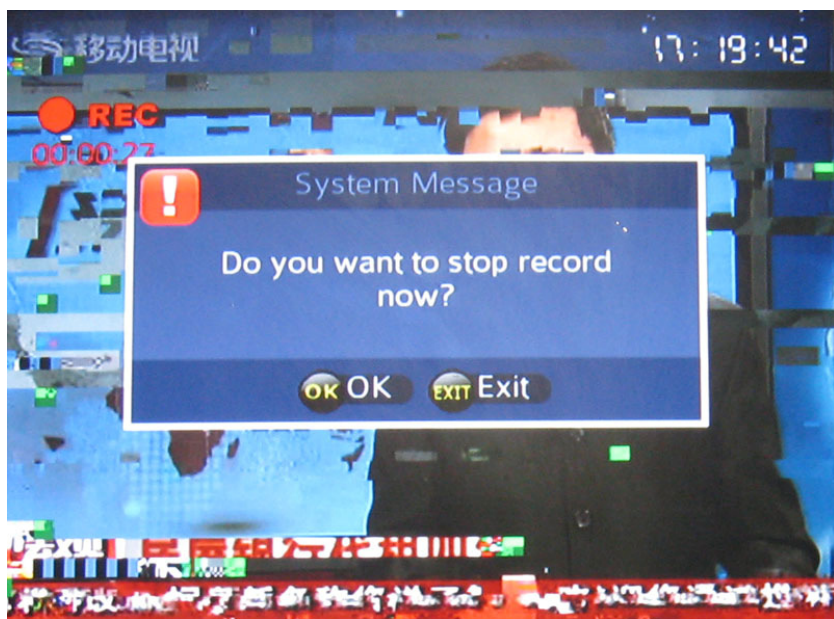


Figure 11

Note: When USB drive is full, system will display a message "Disk Full Error, Leaving..."

## 5. Settings

press <OK> to enter "Settings" page through " Main Menu – Settings – OK", <CH+>/<CH-> to select the items you wish to adjust. See Figure 12:

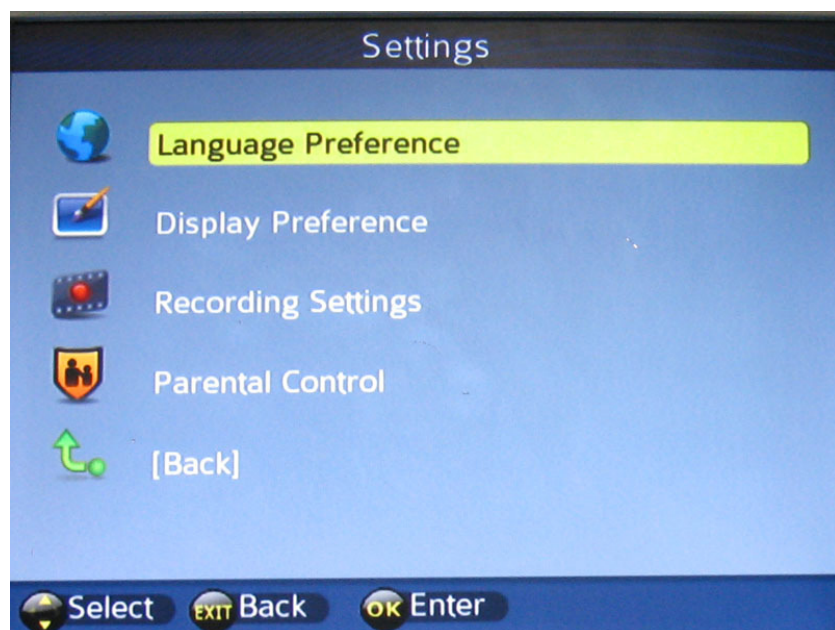


Figure 12

5.1 Press <OK> to enter Language Preference page after you choose this item, using <CH+>/<CH-> & <V+>/<V-> to select language for Program Guide, Audio, Subtitle. See Figure 13:

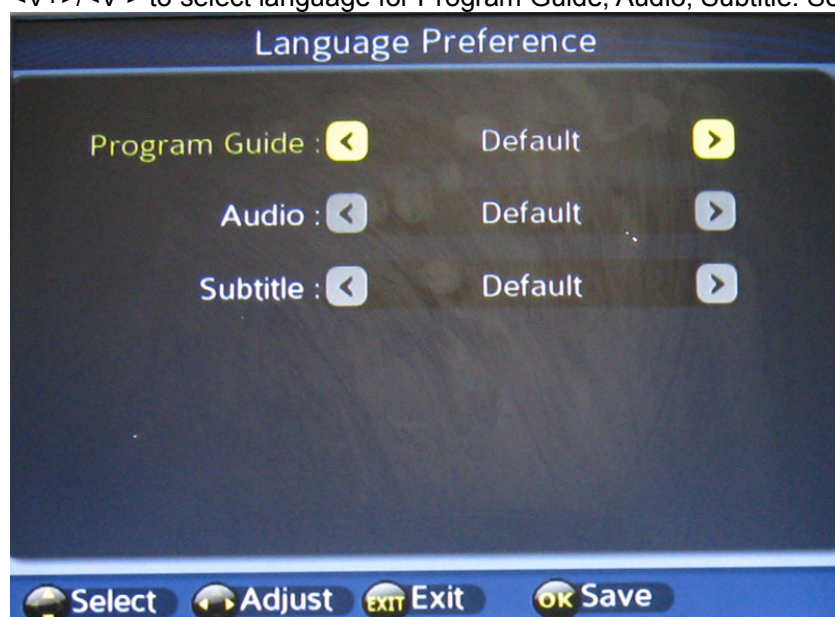


Figure 13

5.2 Press <OK> to enter Display Preference page after you choose this item, using <CH+>/<CH-> & <V+>/<V->

to select the modes (for Display Mode, Aspect Ratio, Video Output) which are suitable for user's TV. See Figure 14:

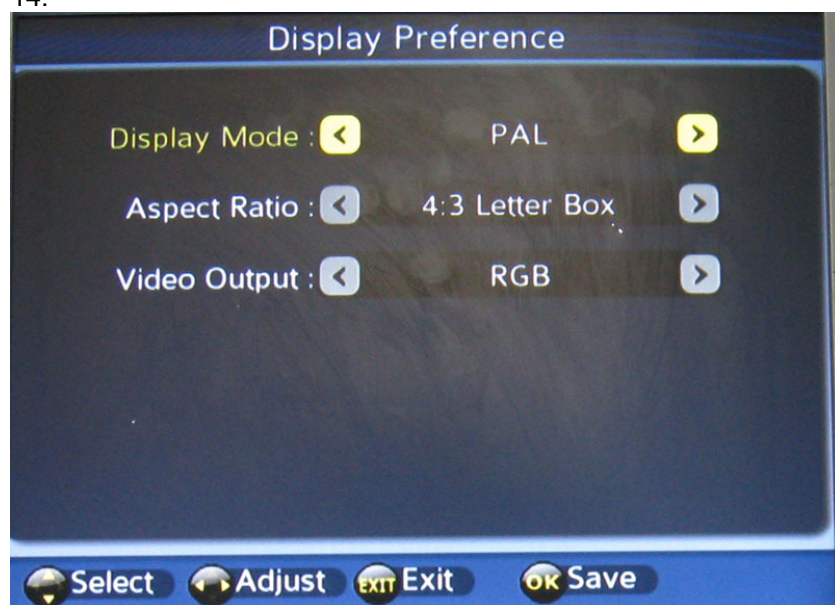


Figure 14

5.3 Press <OK> to enter Recording Settings page after you choose this item, using <CH+>/<CH-> & <V+>/<V-> to set the detailed data(for Timeshift Function, Timeshift Storage, Recording Duration, Recording Target). See Figure 15:

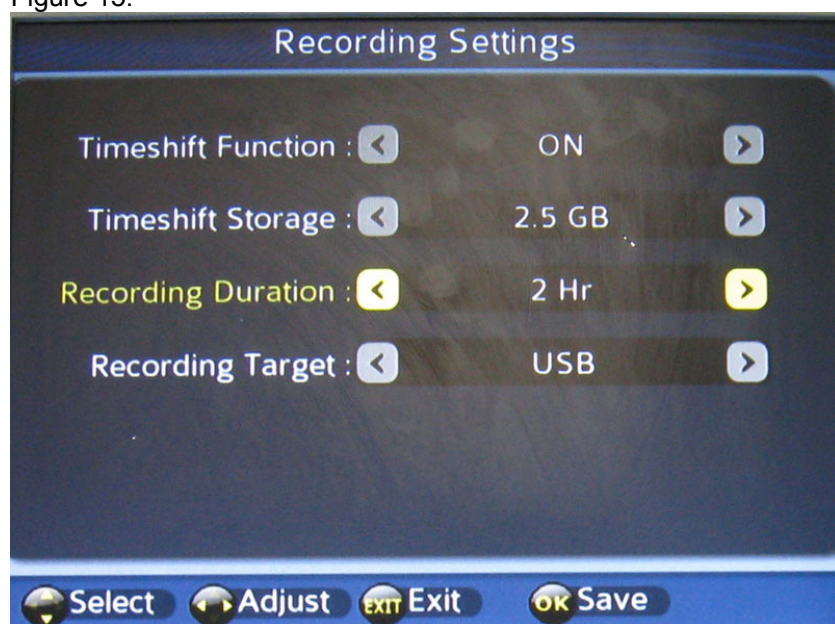


Figure 15

5.4 Press <OK> to enter Parental Control page after you choose this item, you can change the password as per your needs according to below steps.

(1) Input old password (default password is "0000") to enter Parental Control page. See Figure16:

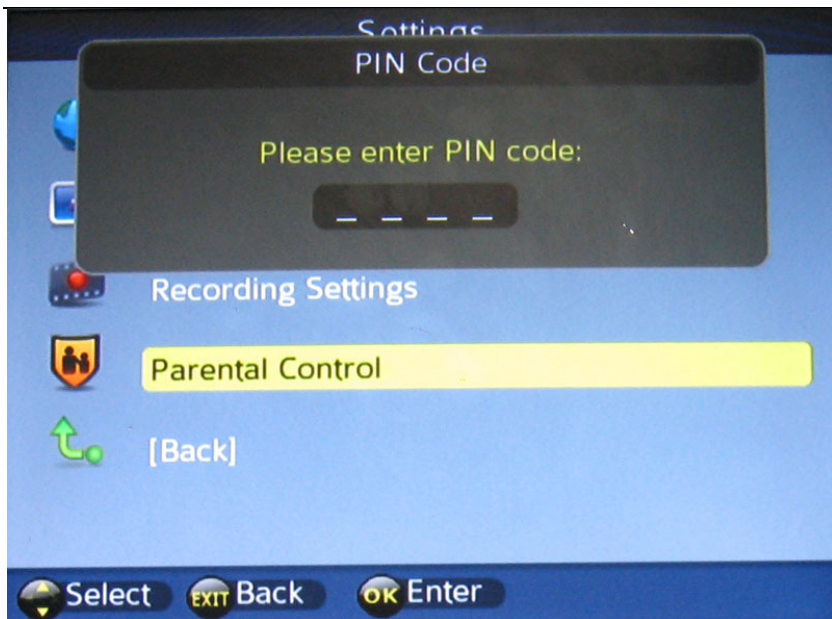


Figure16

(2) using <CH+>/<CH-> & <V+>/<V-> to turn on/off Menu Lock, Channel Lock, Maturity Lock. See Figure 17:

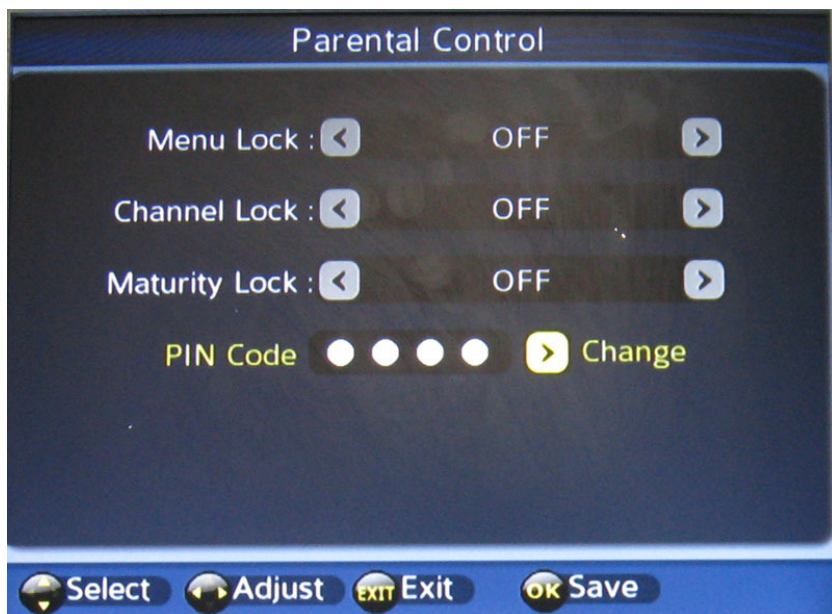


Figure 17

(3) For PIN Code changing, press <V+>, then input old password, display shows “Please enter the new PIN code”. Input the new password, then “Confirm the new PIN code”. Until display shows “The PIN code is changed!!”, which means the password set success.

## 6. Tools

press <OK> to enter “Tools” page through “ Main Menu – Tools – OK”, <CH+>/<CH-> to select the items you

wish to adjust. See Figure 18:



Figure 18

6.1 Insert USB, then press <OK> to enter Storage Manager page after you choose this item. The display will show the volume information of the USB. See Figure 19:

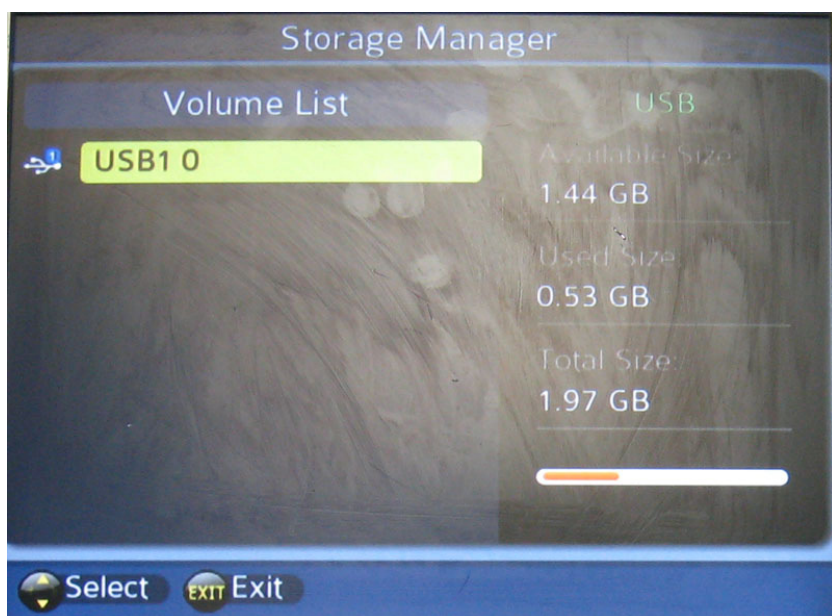


Figure 19

6.2 Press <OK> to enter Software Upgrade page after you choose this item, then use <CH+>/<CH-> to choose USB / SD card as upgrading tools. See Figure 20:



Figure 20

6.3 Press <OK> to enter Factory Reset page after you choose this item, then input your old password (default password is "0000") the unit will ask "The operation will load default setting. Are you Sure?" Choose No/Yes as you wish. See Figure 21 & 22:

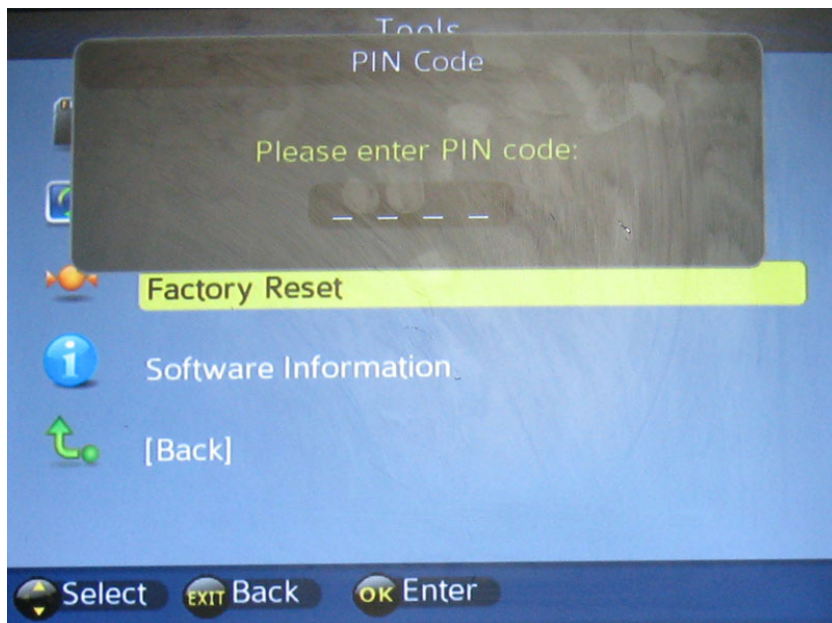


Figure 21

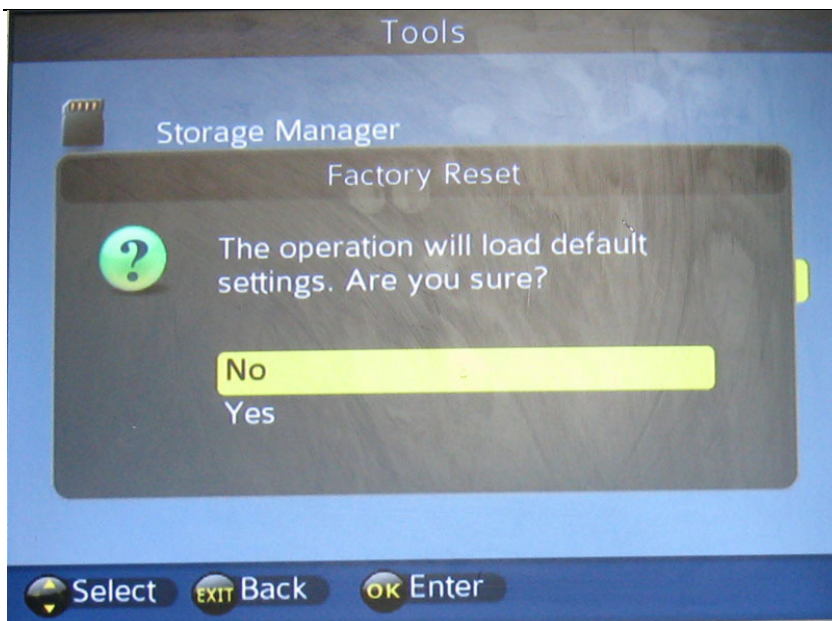


Figure 22

6.4 Press <OK> to enter Software Information page after you choose this item, then display will show your present system version No..

## Convenient Functions

### 1 Ways of selecting program

STB provides four ways to select program.

- (1) Press <Up/Down> button to next or previous program.
- (2) Press <OK> to select program in program list.
- (3) Press <0~9> to switch program.

If the input program number doesn't exist, STB will ignore the input.

### 2 QUICK SELECT

- (1) Press <OK> to display channel list.
- (2) Press <Up/Down> to select channel, <OK> to confirm and switch to corresponding channel.

### 3. EPG

Press <EPG> to enter "Program Guide" page in playing mode.

- (1). Press <EPG> red button on remote control to enter Daily Mode.
- (2). Select a channel by pressing <CH+>/<CH-> to preview day's information. Press yellow button <SUBTITLE> or blue button <TTX> to view former & next day's information.
- (3). Press <OK> button to show program description.

### 4. SUBTITLE

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Display subtitle on screen, the style of subtitle may be different by content provider.

(1) Press <SUBTITLE> yellow button to enter subtitle page.

(2) press <V-/V+> and <OK> to turn on/off subtitle.

## 5. TTX

(1) Press <TTX> to enter Teletext page.

(2) Press <Up/Down> to go to previous or next page.

(3) Press <EXIT> to exit from teletext page.

## 6. AUDIO

Audio language selection. See figure 56

(1) Press <AUDIO> to enter Multiaudio page.

(2) Press <Left>/<Right> to switch among stereo, left, right, press <UP>/<DOWN> to select the language of sound.

(3) Press <OK>/<EXIT> to confirm the selection and return to full-screen play mode.

## 7. Program information

To view the information of current program, press <i> on remote control to open it when it is in full screen display, press again or <EXIT> to exit.

## 8. FAV

You can select favourite channel easily here after setting favourite channels.

(1) Press <FAV> to enter favourite list.

(2) Press < Up/ Down> to select channel.

(3) Press <EXIT> to exit.

## 9. TV/RADIO program switch

Press “TV/RADIO” to switch between TV program and Radio program when it is in full screen display.

NOTE: If no radio channels, system would display a hint message “No Radio Program”.

## 10. PROG

Press <Prog> to enter program list.

## 11. RECORD

A hot-key to record live TV program. Detail information please refer to last section “record set”

## 12. PLAY/PAUSE

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This button is used to play or pause the current live program or recorded program playing

### 13. RECALL

A hot-key to recall recorded program watched.

### 14. STOP

Stop to play current live program.

## Troubleshooting

There may be various reasons for the abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it ,please contact the dealer. Don't open the receiver cover .It may cause a dangerous situation .

The display on front panel does not light up

- Check that the power cord is plugged into the wall outlet .
- Check whether Power Switch is on .

No picture

- Make sure that the product is in Operation Mode.
- Make sure that the AV Cable is correctly connected to the TV AV Channel
- Make sure the TV is in AV mode ,for this Set Top Box uses AV output .
- Make sure that antenna cable is correctly connected to the DVB Product.
- Check the brightness level of TV.
- Check the channel that is on air .

No or bad signal message appears

- Check other device connected between antenna and the receiver ,or adjust the antenna position

Poor Picture & sound quality

- Install antenna where there is not obstacle ahead .
- Make sure to avoid putting mobile phone or microwave oven around the DVB Product.
- Use 75Ω coaxial cable to connecting TV and antenna.
- The DVB is a Standard Definition Receiver ,so when viewing High Definition channels on it may cause poor image and sou

No or poor sound

- Check the volume level of the TV .
- Check the Mute status of the TV and product .
- Press the Audio button to change the Sound Track type .

Remote control does operate

- To manipulate the equipment with the remote control ,the control's emitting part should be directly pointing towards the receiving part (IR Sensor) of receiver.
- Check the battery of Remote control

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